

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Roberto Tamassia	07/17/2007
RECEIVING PARTY DATA	
Name:	Brown University
Street Address:	One Prospect Street
Internal Address:	Box 1949
City:	Providence
State/Country:	RHODE ISLAND
Postal Code:	02912
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	10416015
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ATTORNEY DOCKET NUMBER:	03940028AA
NAME OF SUBMITTER:	Michael E. Whitham
Total Attachments: 2	
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CH \$40.00 10416015

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PATENT  
REEL: 019584 FRAME: 0849

Docket No.: \_\_\_\_\_

**PATENT**

### ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNOR (inventor):**

<u>Roberto Tamassia</u>	<u>44 Alumni Avenue, Providence, Rhode Island 02906</u>	<u>Italy</u>
<i>Name</i>	<i>Address</i>	<i>Nationality</i>

hereby sells, assigns and transfers to

**ASSIGNEE:**

<u>Brown University</u>	<u>One Prospect Street, Box 1949, Providence, Rhode Island 02912</u>	<u>USA</u>
<i>Name</i>	<i>Address</i>	<i>Nationality</i>

and the successors, assigns and legal representatives of the ASSIGNEE (complete one of the following)

- ☒ his entire right, title and interest
- ☐ an undivided 50 percent (50%) interest

for the United States and its territorial possessions (check the following box if foreign rights are also to be assigned)

☒ and in all foreign countries, including all rights to claim priority in and to any and all improvements which are disclosed in the invention entitled:  
**EFFICIENT AUTHENTICATED DICTIONARIES WITH SKIP LISTS AND COMMUTATIVE HASHING**

and which is found in

- (a) ☐ U.S. patent application executed on even date herewith
- (b) ☐ U.S. patent application executed on \_\_\_\_\_
  - ☐ To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney, as named in the Declaration and Power of Attorney I executed for this invention on the execution date stated above, to insert below the filing date and application number when it becomes known.
- (c) ☒ U.S. application serial no. 10/416,015, filed on May 7, 2003
- (d) ☐ U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_
  - ☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(e) ☒ and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

(Assignment Of Invention) - page 1 of 2)

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this 17th day of July, 2007.

Roberto Tamassia

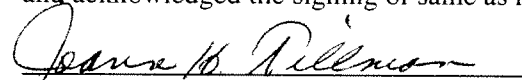
Name



Signature

State of Rhode Island  
County of Providence

On this 17th day of July, 2007 before me personally appeared Roberto Tamassia, to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

  
Notary Public

My commission expires: 6/20/09

**Joann H. Tillman**  
**Notary Public**  
**My Commission Expires 6/20/09**  
**ID #25123**

(Assignment Of Invention) - page 2 of 2)